

# Notice of Allowability

Application No.

09/549,236

Examiner

Robert W. Morgan

Applicant(s)

CARLEY ET AL.

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## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to After Final Amendment filed 12/20/06.
2. ☒ The allowed claim(s) is/are 19-33.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

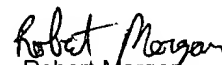
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
Robert Morgan  
Patent Examiner  
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## **DETAILED ACTION**

### ***Response to Amendment***

1. In the amendment filed 12/20/06, the following has occurred: Claims 19, 24 and 29 have been amended. Now claims 19-33 are presented for examination.

### ***Allowable Subject Matter***

2. Claims are 19-33 allowed.

The following is an examiner's statement of reasons for allowance: The primary reasons for the allowance of claims 19-33 is the inclusion of the limitations in the claims, which are not found in the prior art references, of a system for generating error and summary reports for a data load, while storing user input data files in a multi-tier client/server architecture such that the data files are organized around tiers of keywords, comprising: selecting a plurality of user selected keywords from user interface, wherein each keyword is associated to a data file name and a data type also wherein the plurality of keywords are arranged in the user interface in a tier structure such that keywords in a first tier are associated to data files that must be loaded into the database before data files associated to a second tier are loaded into the database; and validating data by enforcing business rules and requirements and ensuring that referential integrity, codependency, primary key, required field, default field, sequence number, and hard-coded field checks are met.

While the closest prior art (Buchanan et al., U.S. Patent No. 5,267,155) teaches a computer-assisted document generation system including a relational database (2, Fig. 1) used to manage document templates as well as storing, retrieving and manipulating data within the templates and (Edwards et al., U.S. Patent No. 5,410,551) teaches a network verification system including a comparing unit (180, Fig. 1) that detects mismatches between two lists of data items,

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first list (160, Fig. 1) and a second list (170, Fig. 1), also indicating any data item in the first list (160, Fig. 1) which do not having matching data item in the second list (170, Fig. 1) or vice versa and then records them in an error report (190, Fig. 1) and (Hobbs, U.S. Patent No. 6,523,022) teaches a multi-tier client/server model for record retrieval from a database based on embedded expert judgments linked to words, phrases, sentences and paragraphs of text entered by the user and (Lee et al., U.S. Patent No. 6,535,883) teaches a system and method for creating validation rules to confirm input data using validation rules program and nine comparison templates (481-489, Fig. 11) to validate, compare and test the contents information entered into a field against one or more predetermined literal values, numeric values, character and alphanumeric strings. Buchanan et al., Edwards Hobbs and Lee et al. do not teach or fairly suggest a system for generating error and summary reports for a data load, while storing user input data files in a multi-tier client/server architecture such that the data files are organized around tiers of keywords, comprising: selecting a plurality of user selected keywords from user interface, wherein each keyword is associated to a data file name and a data type also wherein the plurality of keywords are arranged in the user interface in a tier structure such that keywords in a first tier are associated to data files that must be loaded into the database before data files associated to a second tier are loaded into the database; and validating data by enforcing business rules/requirements and ensuring that referential integrity, codependency, primary key, required field, default field, sequence number, and hard-coded field checks are met as recited in independent claims 19, 24 and 29.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

In related art (WO 02/098045) Zangari et al. teaches a method and system for verifying the integrity of data in a data warehouse.

In related art (Wyzdom Solutions Releases Web-Enabled Asset Lifecycle Management Software) PR Newswire teaches a wizard-like integration tool that enables users to easily load data to and from the Wyzdom database.


The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure as background material and is not of particular significance. These prior art patents fail to teach or fairly suggest a system for generating error and summary reports for a data load, while storing user input data files in a multi-tier client/server architecture such that the data files are organized around tiers of keywords, comprising: selecting a plurality of user selected keywords from user interface, wherein each keyword is associated to a data file name and a data type also wherein the plurality of keywords are arranged in the user interface in a tier structure such that keywords in a first tier are associated to data files that must be loaded into the database before data files associated to a second tier are loaded into the database; and validating data by enforcing business rules/requirements and ensuring that referential integrity, codependency, primary key, required field, default field, sequence number, and hard-coded field checks are met.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert W. Morgan whose telephone number is (571) 272-6773. The examiner can normally be reached on 8:30 a.m. - 5:00 p.m. Mon - Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Thomas can be reached on (571) 272-6776. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
Robert Morgan  
Patent Examiner  
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